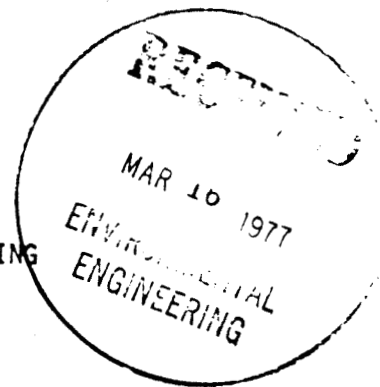




NORTH DAKOTA STATE DEPARTMENT OF HEALTH
Air Pollution Control Program
State Capitol
Bismarck, North Dakota 58501

ANNUAL EMISSION INVENTORY REPORT
FORM AP 301
FUEL BURNING EQUIPMENT USED FOR INDIRECT HEATING
Calendar Year 1976



1. Name of Firm or Organization: Minnkota Power Cooperative, Inc.
2. Plant Location: Center, North Dakota
3. Permit to Operate Number: F 76009
4. Source Unit Number (from Permit to Operate): 1
5. Type and Quantity of Fuel Used:

	PRIMARY FUEL	STANDBY FUEL
	Type <u>Lignite</u> Quantity per year <u>1.581 M Tons</u> (Specify Units) Delivered Cost of fuel <u>\$2.35/Ton Avg.</u> (\$/Unit Quantity)	Type <u>No. 2 Oil</u> Quantity per year <u>700,018 Gal.</u> (Specify Units) Delivered Cost of fuel <u>\$.34/gal.</u> (\$/Unit Quantity)
PERCENT ASH (Solid Fuel Only) Max. Min. Avg.	12.34 5.13 8.21	
PERCENT SULFUR Max. Min. Avg.	.78 .40 .52	.3%
BTU PER UNIT Max. Min. Avg.	7449 5387 6367	140,000

6. Month'y Fuel Use:

QUANTITY			QUANTITY		
MONTH	PRIMARY FUEL	STANDBY FUEL	MONTH	PRIMARY FUEL	STANDBY FUEL
	Type <u>Lignite</u>	Type <u>#2 Oil</u>		Type <u>Lignite</u>	Type <u>#2 Oil</u>
	Units <u>Tons</u>	Units <u>Gal.</u>		Units <u>Tons</u>	Units <u>Gal.</u>
Jan.	145,655	82,780	July	145,292	7,025
Feb.	135,931	22,595	Aug.	134,878	15,850
March	148,569	17,901	Sept.	137.813.9	6,310
April	136,247	12,700	Oct.	118,240	189,682
May	74,316	61,017	Nov.	134,631.6	48,408
June	131,418	26,083	Dec.	137,843	209,667

7. Hourly Fuel Use:

	QUANTITY		Intermittent
	PRIMARY FUEL	STANDBY FUEL	
	Type <u>Lignite</u> Units <u>Tons</u>	Type <u>#2 Oil</u> Units <u>Gal.</u>	
Maximum	199.69	316.66	
Average	192.945	90.37	

8. Normal Schedule of Operation:

Hours Per Day 24 Weeks Per Year 48

Days Per Week 7 Peak Season Base Load All Months
(Specify Months of Year)

Total Hours ~~Per Year~~ ¹⁹⁷⁶ 8188

9. Stack Emissions:

POLLUTANT	QUANTITY POUNDS PER HOUR (AVERAGE)	TONS PER YEAR
Particulate	96.534	395.21
Sulfur Dioxide	4015.8	16,440.7
Nitrogen Oxides	1540 EST	6,304.76
Other (Specify)		

Basis For Quantities Listed Above:

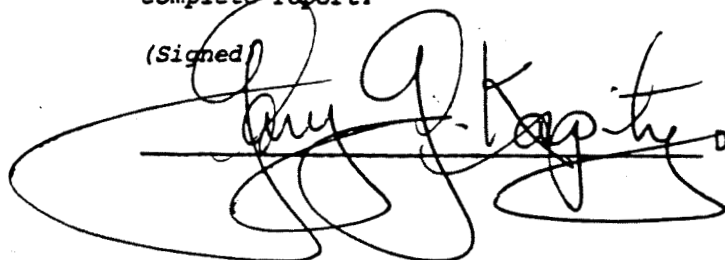
SEE BACK

10. Name of Person Submitting Report (Print or Type) Gary Kapity

Title Environmental Engineer Phone 701-795-4240

I declare under the penalties of perjury that this report has been examined by me and to the best of my knowledge and belief is a true, correct, and complete report.

(Signed)

 Date 3-14-77